

POTOMAC RIVER BASIN

01658698 LITTLE CREEK AT MOCKING BIRD ROAD AT TRIANGLE, VA

LOCATION.--Lat 38°31'59", long 77°19'18", NAD83, Prince William County, Hydrologic Unit 02070010, on right bank, beside Fuller Road, on Quantico Marine Base, 1.2 mi east of U.S. Highway 1, and 1.5 mi upstream from Potomac River.

DRAINAGE AREA.--Not determined.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1999 to July 2001 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 60 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Several measurements of water temperature were made during the year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.51	.53	.71	.83	1.0	.94	3.0	.87	2.9	2.3	---	---
2	.49	.57	.65	.91	1.0	.93	2.4	.84	1.5	.74	---	---
3	.45	.61	.63	.91	.92	.96	1.9	.78	1.0	.48	---	---
4	.41	.53	.73	.90	.92	2.2	1.7	.74	.87	.48	---	---
5	.43	.54	.71	1.2	3.9	2.2	1.7	.71	4.4	.66	---	---
6	.46	.58	.72	1.4	1.4	1.2	1.8	.66	1.1	.43	---	---
7	.46	.60	.73	1.9	1.1	1.1	1.6	.66	1.2	.42	---	---
8	.46	.69	.73	2.9	1.0	1.2	1.6	.68	.95	2.2	---	---
9	.49	1.0	.73	1.3	1.1	1.1	1.8	.69	.80	.76	---	---
10	.52	1.6	.70	1.1	1.1	1.1	1.7	.66	.71	.77	---	---
11	.50	.50	.80	1.1	1.0	1.1	3.3	.65	.66	---	---	---
12	.48	.86	.79	1.1	1.0	1.7	1.9	.62	.64	---	---	---
13	.48	.94	.81	1.0	1.4	2.4	2.1	.57	.60	---	---	---
14	.48	1.4	6.1	1.1	1.3	1.1	1.7	.57	.57	---	---	---
15	.48	.45	.86	1.1	1.6	2.8	1.7	.58	.71	---	---	---
16	.48	.52	3.0	1.1	2.4	1.6	2.5	.59	3.1	---	---	---
17	.48	.58	13	1.3	3.7	1.4	1.7	.64	.81	---	---	---
18	.55	.59	1.7	1.0	1.2	1.1	1.4	.66	.59	---	---	---
19	.51	.65	1.3	11	1.1	1.0	1.3	10	.55	---	---	---
20	.50	.69	1.1	12	1.1	1.2	1.3	1.4	.56	---	---	---
21	.47	.65	1.0	3.6	1.3	29	1.2	2.3	.55	---	---	---
22	.48	.68	1.0	1.7	1.4	5.8	1.2	3.8	.92	---	---	---
23	.49	.66	.88	1.4	2.0	2.3	1.2	1.8	2.5	---	---	---
24	.55	.69	.92	1.2	1.3	1.6	1.8	1.1	.68	---	---	---
25	.68	4.1	.85	1.1	2.0	1.2	1.0	12	.58	---	---	---
26	.77	6.0	.88	1.1	1.2	.99	1.0	20	.54	---	---	---
27	.54	.92	.91	1.2	1.0	.84	.98	4.5	.50	---	---	---
28	.52	.72	.90	1.2	1.0	.80	.89	1.8	.49	---	---	---
29	.51	.65	.89	1.1	---	12	.87	1.4	.47	---	---	---
30	.50	.70	.88	3.4	---	21	.88	1.1	.46	---	---	---
31	.50	---	.84	1.3	---	4.5	---	.97	---	---	---	---
TOTAL	15.63	30.20	46.45	63.45	40.44	108.36	49.12	74.34	31.91	---	---	---
MEAN	.50	1.01	1.50	2.05	1.44	3.50	1.64	2.40	1.06	---	---	---
MAX	.77	6.0	13	12	3.9	29	3.3	20	4.4	---	---	---
MIN	.41	.45	.63	.83	.92	.80	.87	.57	.46	---	---	---

01658698 LITTLE CREEK AT MOCKING BIRD ROAD AT TRIANGLE, VA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	.65	1.10	1.13	1.58	1.24	2.65	2.34	1.37	1.00	.97	1.51	2.10
MAX	.79	1.19	1.50	2.05	1.44	3.50	4.17	2.40	1.64	1.65	2.53	2.22
(WY)	2000	2000	2001	2001	2001	2001	2000	2001	2000	2000	2000	1999
MIN	.50	1.01	.76	1.11	1.05	1.92	1.22	.54	.31	.29	.49	1.99
(WY)	2001	2001	2000	2000	2000	2000	1999	1999	1999	1999	1999	2000

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

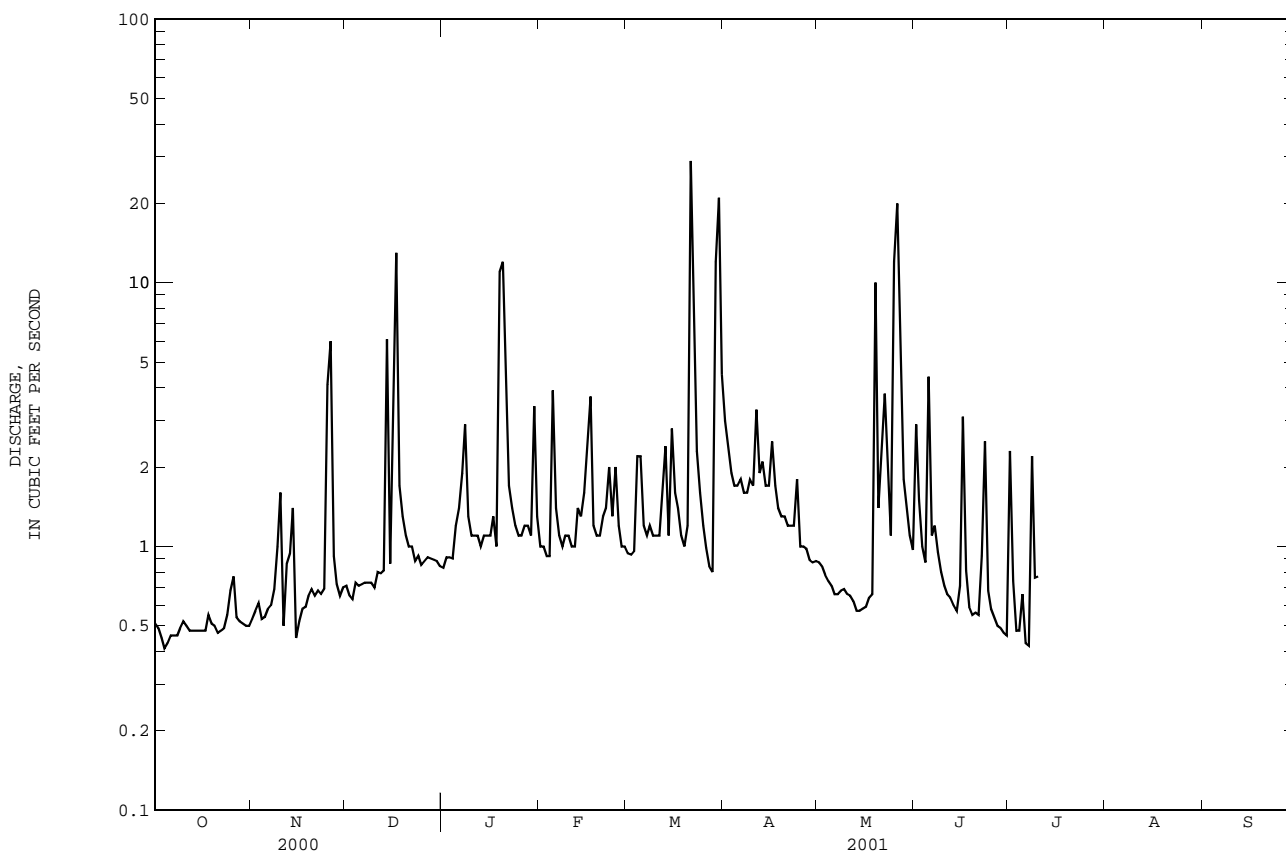
WATER YEARS 1999 - 2001

ANNUAL TOTAL	616.61											
ANNUAL MEAN	1.68									1.66		
HIGHEST ANNUAL MEAN										1.66		2000
LOWEST ANNUAL MEAN										1.66		2000
HIGHEST DAILY MEAN				29	Aug	4		29	Mar	21	33	Sep 16 1999
LOWEST DAILY MEAN				.27	Jan	1		.41	Oct	4		.07 Aug 3 1999
ANNUAL SEVEN-DAY MINIMUM				.44	Aug	20		.45	Oct	2		.08 Jul 30 1999
MAXIMUM PEAK FLOW							141	May	25		341	Aug 4 2000
MAXIMUM PEAK STAGE							3.44	May	25		a6.66	Aug 4 2000
INSTANTANEOUS LOW FLOW							.35	bNov	10		.04	cAug 2 1999
10 PERCENT EXCEEDS				3.4			2.7				2.7	
50 PERCENT EXCEEDS				.85			.97				.81	
90 PERCENT EXCEEDS				.48			.50				.28	

a From floodmarks.

b Also Nov. 11, 2000 and July 6, 7, 10, 2001.

c Also Aug. 3, 7, 9, 11, 1999.



POTOMAC RIVER BASIN

01658698 LITTLE CREEK AT MOCKING BIRD ROAD AT TRIANGLE, VA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1999 to June 2001 (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SAMPLE TYPE	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	OXYGEN, DIS- SOLVED OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)
OCT 17...	1205	ENVIRONMENTAL	15.9	16.5	763	.46	246	9.2	93	7.0	<.041	<.006
NOV 08...	1200	ENVIRONMENTAL	11.3	18.0	760	.66	254	8.3	76	7.0	<.041	<.006
DEC 20...	0845	ENVIRONMENTAL	1.9	0.0	758	.66	1280	13.5	98	6.9	.277	.011
JAN 24...	0910	ENVIRONMENTAL	2.0	.5	760	1.2	293	14.1	101	7.1	.120	.010
FEB 14...	0830	ENVIRONMENTAL	6.5	3.0	760	1.2	311	10.4	85	7.0	.062	.019
MAR 14...	0945	ENVIRONMENTAL	7.6	5.5	747	1.1	467	13.5	100	7.0	E.034	.009
MAR 20-21	2330	COMPOSITE (TIME)	--	--	--	2.7	--	--	--	--	.074	.010
21...	1750	BLANK	--	--	--	--	--	--	--	--	<.041	<.006
APR 20...	1000	ENVIRONMENTAL	9.9	11.5	763	1.2	257	12.2	101	6.9	<.040	E.003
MAY 09...	0830	ENVIRONMENTAL	14.8	13.5	762	.73	248	10.4	100	6.8	.062	E.005
JUN 11...	0900	ENVIRONMENTAL	17.4	19.0	755	.73	249	9.5	102	6.8	E.025	<.006

DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	DATA BASE NUMBER
OCT 17...	.12	.23	.545	.057	.012	E.012	01
NOV 08...	.10	.14	.105	.026	.015	<.018	01
DEC 20...	.47	.51	.632	.050	.012	<.018	01
JAN 24...	.25	.24	.765	.040	.007	<.018	01
FEB 14...	.19	.11	.755	.031	E.005	<.018	01
MAR 14...	.19	.24	.582	.041	.009	<.018	01
MAR 20-21	.44	1.2	.471	.339	.038	.024	01
21...	E.06	<.08	<.047	<.004	<.006	<.018	02
APR 20...	.11	.12	.291	.035	E.003	<.020	01
MAY 09...	.23	.32	.322	.029	<.006	<.018	01
JUN 11...	.11	.19	E.033	.030	.011	<.020	01

Remark codes used in this report:

< -- Less than

E -- Estimated value

THIS IS A BLANK PAGE